Curriculum Vitae of Luca Stanco

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Citizenship: Italian

Born: Monselice (Italy) on April 22th, 1957

Career

2002 - $present$	Dirigente di Ricerca at INFN
1993 - 2002	Primo Ricercatore at INFN
1991 - 1992	Visiting Scientist at FNAL, Batavia (USA)
1988 - 1991	Staff Researcher at INFN
1987	Researcher at INFN (art. 23)
1984 - 1986	PhD (Italian I ^o ciclo) in Physics (Padova University)
1982 - 1983	Fellowship at LAL, Orsay (France)
1981	Fellowship at KFA, Jülich (Germany)
1980	Graduation in Physics (Padova University)

Research Activity Summary

1981 1982 - 1983	Theoretical studies on the problem of orbit stability in accelerators. The DM2 experiment at L.A.L. (Orsay, France). In charge of data calibration for the central drift chamber and luminosity measurement.
1984	Studies of the production processes K^+K^- and $\pi^+\pi^-$ and the kaon and pion Form factors in the $1.4 \div 2.0~GeV$ region.
1985 - 1986	Studies of J/ψ radiative decays in couple of vector mesons $(J/\psi \rightarrow \gamma\phi\phi, \gamma\omega\omega, \gamma\rho\rho)$ discovering a surplus of pseudoscalar production in the $1.5 \div 2.1~GeV$ region, entangled in the standard quark-quark scenario.
1987 - 1991	Several analysis in Partial Waves for J/ψ decays searching for glueballs.
1985 - 1991	The ZEUS experiment at DESY (Hamburg, Germany). Muon recon-
	struction tools. First use of Kalman Technique in particle physics. Co-
	ordination of the work on the global event reconstruction. Convener of the HERA studying group on Heavy Flavor as ZEUS representative.
1988 - 2000	HERWIG Monte Carlo. As one of the authors development of some
	relevant $e-p$ reactions and their updates over the years.
1991 - 1997	The CDF experiment at FNAL (Batavia, Usa). Mainly involved in the
	top-quark analysis of CDF pioneering the top search in the full hadronic
1001 100%	mode.
1994 - 1997	Partially involved in the CMS experiment in coordinating initial studies on the muon reconstruction.
1993 - 2009	Involvement in the ZEUS experiment. Physics coordination in Padova.
1000 2000	Padova Group Leader from 1997 up to the end of the experiment. ZEUS conveners of the Exotics group (1998-1999). Internal ZEUS editor.
2000 - present	Neutrino Physics with the OPERA experiment at LNGS (Assergi, Italy).
r	Padova Group Leader with responsibility in the design and the realiza-
	tion of the Inner Electronic Detectors of the Spectrometers. Project
	Leader of the Resistive Plate Chamber system. Involved in the orga-
	nization and the management of the OPERA Collaboration. OPERA
	coordinator at the time of the first arrival of the CNGS neutrino beam
	in August 2006. Responsible of the Statistical Analysis of the first tau candidate. Resource Coordinator and Member of the Publication&Talk
	Board (2009-2012).
2007 - present	The GERDA experiment. Setting up of the Padova group.
2011 - present	The NESSiE proposal at CERN new ShortBaseLine Neutrino Facility.
	NESSiE is in synergy with the ICARUS Collaboration, led by Prof. C.
	Rubbia. The proposal is presently under scrutiny by the CERN commit-
	tee and management.

Teaching, Honours and Specific Roles

1993 - 2005	Teaching duties on General Physics (1993-2001),
	Subnuclear Physics (1997-2001),
	Specialized courses of the PhD programs in 2001 and 2005.
2009 - present	Adjunct Professor in General Physics at the Faculty of Medicine and in
	Statistics and Data Analysis for undergraduates students of Physics.
1994 - 2000	INFN Researcher representative in Padova.
June~2002	Rewarded by ISI-Thomson as ranked among the top 15 "highly cited
	researchers", namely physics researchers whose publications were most
	often cited in academic journals over the 1991-2001 decade. At that time
	I was author and co-author of about 350 papers cited about 15,000 times.
2005 - present	Act as Editor of Advances in High Energy Physics.
2011 - present	Spokeperson of the NESSiE Collaboration.

Conferences, Students

Dozens of talks given in national and international institutes, workshops schools and conferences. At present I give invited talks at 2-3 international Conferences/Workshops per year and a similar number of seminars at different Universities.

Over the years I supervised about 20 undergraduate and PhD students.

Most recent Presentations:

January 2012	"The OPERA experiment: Direct Tau neutrino appearance and Neutrino
	Time of Flight Measurement", IAS-CERN School, Singapore
14-16 May 2012	"Search for Short BaseLine neutrino "anomalies with innovative LAr
	imaging detectors coupled with large muon spectrometers", European
	Strategy for Neutrino Oscillation Physics - II, CERN (Switzerland)
$September\ 2012$	"Search for STERILE neutrinos with the Short-Baseline project at
	CERN", XCVIII SIF Congress, Napoli (Italy)
9-16 September 2012	"Short-baseline oscillations of high-energy neutrinos", NOW2012, Conca
	Specchiulla (Italy)
17-21 December 2012	"The Sterile Neutrino Issue", Miami 2012, Miami (Usa)
11-15 March 2013	"The NESSiE concept for Sterile Neutrinos", XV Neutrino Telescope
	Conference, Venice (Italy)
26-27 March 2013	"The NESSiE concept for Sterile Neutrinos", nuSTORM, CERN
	(Switzerland)

Bibliometric indexes

About 450 peer reviewed papers with more than 30,000 citation, h-index = 96.